Lotos "10" Federal No. 1

Perforated the Morrow from 15,038-56 and 15,076-82' (Total 24', 4 JSPF, 96 holes) with 2-1/8" strip guns.

No pressure after perforating. Swabbed fluid level down to 14,200'. No gas or fluid entry.

Loaded tubing with 2% KCL water plus additives with fluid level at 8000' to perforate 5,000 psi underbalanced.

Perforated the Morrow from 14,772-93, 14,810-18, 14,822-26, 14,828-34, and 14,838-60' (Total 55', 4 JSPF, 220 holes) with 2-1/8" strip guns.

Gas to surface in 7-1/2 hours. 1-2' lazy flare. Swabbed down to 13,900'. No increase in gas.

Halliburton acidized the Morrow perfs from 14,772-15,082' with 2,000 gals 7-1/2% HCL, 2,000 gals methanol, and 4,000 gals CO2 and 237 ball sealers at 4 BPM down 2-7/8" tubing at avg pressure of 4920 psi. ISIP 4220 psi = 0.72 psi/ft frac gradient = 13.85 ppg EMW frac gradient.

Flowed 380 MCFPD for ± 12 hours, FTP 110 psi, 19/64" ck.

Perforate the Morrow from 14,592-14,604' (Total 12', 4 JSPF, 48 holes) with 2-1/8" strip guns. SITP increased from 4100 psi to 6050 psi after perforating. Open well on 12/64" ck to clean up to pit.

Flow testing well.